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# Exploration Drilling - Addendum 1 – Guidance on Discharge to Surface and Groundwater (version 19.01)

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### **The text below will replace the text on page 20, section 4.3.4 Step 3 - Technical Assessment**

It is not possible to be prescriptive about every situation. The following table (table 5) lists examples of different exploration activities and the technical assessment requirements for the various levels of assessment. This table is ***an indicative guide only*** and assumes the water to be used in exploration drilling is untreated.

Risks to groundwater can be minimised by treating the water to be used in drilling. This can be achieved by the use of UV treatment systems (for example Ultraviolet germicidal irradiation (UVGI)). Therefore, where water treatment (usually of a nearby surface water source) is part of an applicant's standard practice for drilling, the risk to groundwater will be reduced and the level of assessment required, as per table 5, may also be reduced. For some applications, this will result in a reduction of the level of assessment to negligible or low risk (table 5).

In instances where the level of assessment required, as per table 5, has been reduced on the basis of the proposed water treatment, water analysis results demonstrating the effectiveness of the water treatment system in operation will be required. Further testing may be required periodically, this will be determined on a case by case basis.